

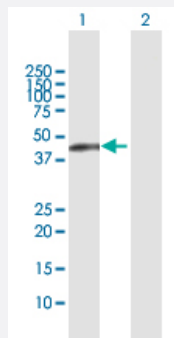
MaxPab®

HLA-E MaxPab rabbit polyclonal antibody (D01)

Catalog # H00003133-D01

Size 100 uL

Applications

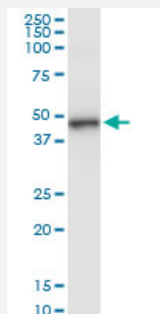


Western Blot (Transfected lysate)

Western Blot analysis of HLA-E expression in transfected 293T cell line ([H00003133-T02](#)) by HLA-E MaxPab polyclonal antibody.

Lane 1: HLA-E transfected lysate (40.2 kDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of HLA-E transfected lysate using anti-HLA-E MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with HLA-E MaxPab mouse polyclonal antibody (B01) ([H00003133-B01](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human HLA-E protein.

Immunogen

HLA-E (AAH02578.1, 1 a.a. ~ 358 a.a) full-length human protein.

Sequence

MVDGTLTLLLLSEALALTQTWAGSHSLKYFHTSVSRPGRGEPFISVGYVDDTQFVRFDNDAASPR
MVPRAPWMEQEGSEYWDRETRSARDTAQIFRVNLRTLRGYYNQSEAGSHTLQWMHGCELGPD
RRFLRGYEQFAYDGKDYLTNEDLRSWTAVDTAAQISEQKSNDASEAHEQRAYLEDTCVEWLHK
YLEKGKETLLHLEPPKTHVTHHPISDHEATLRCWALGFYPAEITLWQQDGEGHTQDTELVETRPA
GDGTFQKWAAVVVPSGEEQRYTCHVQHEGLPEPVTLRWKPASQPTIPVIGIAGLVLLGSVVS
GA
VVAIVWRKKSSGGKGGSYSKAEWSDSAQGSSESHSL

Host

Rabbit

Reactivity	Human
Interspecies Antigen Sequence	Mouse (69); Rat (62)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

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Lane 1: HLA-E transfected lysate(40.2 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of HLA-E transfected lysate using anti-HLA-E MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with HLA-E MaxPab mouse polyclonal antibody (B01) ([H00003133-B01](#)).

[Protocol Download](#)

Gene Info — HLA-E

Entrez GeneID	3133
GeneBank Accession#	BC002578
Protein Accession#	AAH02578.1
Gene Name	HLA-E
Gene Alias	DKFZp686P19218, EA1.2, EA2.1, HLA-6.2, MHC, QA1
Gene Description	major histocompatibility complex, class I, E
Omim ID	143010
Gene Ontology	Hyperlink

Gene Summary

HLA-E belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored in the membrane. HLA-E binds a restricted subset of peptides derived from the leader peptides of other class I molecules. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the alpha1 and alpha2 domains, which both bind the peptide, exon 4 encodes the alpha3 domain, exon 5 encodes the transmembrane region, and exons 6 and 7 encode the cytoplasmic tail. [provided by RefSeq]

Other Designations

HLA class I histocompatibility antigen, E alpha chain|MHC HLA-E alpha-1|MHC HLA-E alpha-2.1|MHC class I antigen|OTTHUMP00000029214|lymphocyte antigen

Pathway

- [Allograft rejection](#)
- [Antigen processing and presentation](#)
- [Autoimmune thyroid disease](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [Endocytosis](#)
- [Graft-versus-host disease](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Type I diabetes mellitus](#)

Disease

- [Abortion](#)
- [Acute Disease](#)
- [Anemia](#)
- [Bacterial Infections](#)
- [Behcet Syndrome](#)
- [Bone Marrow Diseases](#)
- [Carcinoma](#)
- [Chorioamnionitis](#)

- [Coronary Aneurysm](#)
- [Cytomegalovirus Infections](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [HIV Infections](#)
- [Lupus Erythematosus](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasms](#)
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